CLAIMS

1. A ceramic green sheet obtained by forming a ceramic coating containing at least a ceramic raw material powder, a binder, and an organic solvent in a sheet shape, followed by drying,

wherein the binder contains two or more kinds of polyvinyl acetal with different average degrees of polymerization, and

polyvinyl acetal with a higher average degree of polymerization contains a relatively large amount of hydroxyl group, and polyvinyl acetal with a lower average degree of polymerization contains a relatively small amount of hydroxyl group.

2. The ceramic green sheet according to claim 1, wherein a difference in average degree of polymerization between the two or more kinds of polyvinyl acetal with different average degrees of polymerization is not less than 300.

3. The ceramic green sheet according to claim 1, wherein the amount of the hydroxyl group in the polyvinyl acetal with a lower average degree of polymerization is less than 25 mol% of a total amount of functional groups contained in the polyvinyl acetal with a lower degree of polymerization.

4. The ceramic green sheet according to claim 1, wherein the amount of the hydroxyl group in the polyvinyl acetal with a higher average degree of polymerization is not less than 25 mol% of a total amount of functional groups contained in the polyvinyl acetal with a higher degree of polymerization.

5. The ceramic green sheet according to claim 1, wherein the polyvinyl acetal with a lower average degree of polymerization has an average degree of polymerization of not more than 600.

6. The ceramic green sheet according to claim 1, wherein the polyvinyl acetal with a higher average degree of polymerization has an average degree of polymerization of not less than 900.

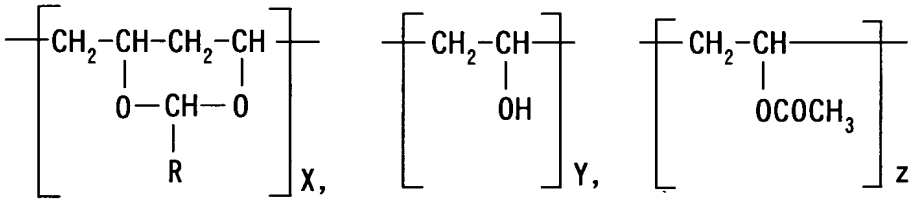
7. The ceramic green sheet according to claim 1, wherein an amount of the polyvinyl acetal with a lower average degree of polymerization is in a range of

10 to 90 wt% of a total amount of the binder included in the ceramic green sheet, and an amount of the polyvinyl acetal with a higher average degree of polymerization is in a range of 90 to 10 wt% of the total amount of the binder included in the ceramic green sheet.

8. The ceramic green sheet according to claim 1, wherein of the two or more kinds of polyvinyl acetal with different average degrees of polymerization, the polyvinyl acetal with a higher average degree of polymerization has a relatively high glass transition temperature, and the polyvinyl acetal with a lower average degree of polymerization has a relatively low glass transition temperature.

9. The ceramic green sheet according to claim 1, wherein a difference in glass transition temperature between the polyvinyl acetal with a higher average degree of polymerization and the polyvinyl acetal with a lower average degree of polymerization of the two or more kinds of polyvinyl acetal with different average degrees of polymerization is not less than 5°C.

10. The ceramic green sheet according to claim 1, wherein each of the two or more kinds of polyvinyl acetal is a random polymer represented by the following Formula 1 (where $0 < X < 100$; $0 < Y < 100$; $0 < Z < 100$; $X + Y + Z = 100$ mol%; and R is an alkyl group having a carbon number of 1 to 6).



(Formula 1)

11. The ceramic green sheet according to claim 10, wherein in the Formula 1, R of an acetal group in the polyvinyl acetal with a lower degree of polymerization is C_3H_7.

12. The ceramic green sheet according to claim 10, wherein in the Formula 1, R of an acetal group in the polyvinyl acetal with a higher degree of polymerization is CH_3 or C_3H_7.

13. The ceramic green sheet according to claim 1, wherein a content of acetyl group in the polyvinyl acetal with a lower degree of polymerization is not less than 3 mol% of a total amount of functional groups contained in the polyvinyl acetal with a lower degree of polymerization.

14. The ceramic green sheet according to claim 1, wherein a content of acetyl group in the polyvinyl acetal with a higher degree of polymerization is not less than 3 mol% of a total amount of functional groups contained in the polyvinyl acetal with a higher degree of polymerization.

15. The ceramic green sheet according to claim 1, having a porosity of 10 to 60 vol%.

16. A laminated ceramic article obtained by producing a ceramic coating containing at least a ceramic raw material powder, a binder, and an organic solvent, forming the obtained ceramic coating in a sheet shape, followed by drying, whereby a ceramic green sheet is produced, and producing a laminate using the ceramic green sheet and an inner electrode sheet or producing a laminate using the ceramic green sheet on which an inner electrode is formed, followed by binder-removal and firing,

wherein the ceramic green sheet is obtained by forming a ceramic coating containing at least a ceramic raw material powder, a binder, and an organic solvent in a sheet shape, followed by drying,

the binder contains two or more kinds of polyvinyl acetal with different average degrees of polymerization, and

polyvinyl acetal with a higher average degree of polymerization contains a relatively large amount of hydroxyl group, and polyvinyl acetal with a lower average degree of polymerization contains a relatively small amount of hydroxyl group.

17. The laminated ceramic article according to claim 16, wherein the laminated ceramic article is a laminated ceramic capacitor.

18. A method for manufacturing a laminated ceramic article comprising at least: producing a ceramic coating containing at least a ceramic raw material powder, a binder, and an organic solvent; forming the obtained ceramic coating in a sheet shape, followed by drying, whereby a ceramic green sheet is

produced; producing a laminate using the ceramic green sheet and an inner electrode sheet or producing a laminate using the ceramic green sheet on which an inner electrode is formed; and subjecting the laminate to binder-removal and firing,

wherein the ceramic green sheet is obtained by forming a ceramic coating containing at least a ceramic raw material powder, a binder, and an organic solvent in a sheet shape, followed by drying,

the binder contains two or more kinds of polyvinyl acetal with different average degrees of polymerization, and

polyvinyl acetal with a higher average degree of polymerization contains a relatively large amount of hydroxyl group, and polyvinyl acetal with a lower average degree of polymerization contains a relatively small amount of hydroxyl group.